

Receiving Report

Date:

13/01/24

Batch No:

M124383

Supplier:

THYOSBAH

Dart P/O:

18926

Packing Slip:

Yes

☒

No

☐

Invoice:

Yes

☐

No

☒

Receipt:

Cash

☐

Cr

☒

Release Note Attached:

Yes

☒

No

☐

N/A

Waybill Attached:

Yes

☐

No

☒

N/A

Shipment Complete:

Yes

☒

No

☒

N/A

QC6 Inspection

☒

N/A

Work Order

5131128

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M75784036	6000600	0	4816	0	4816	

Initials of receiver (if shipment OK) Level 12

Production/Admin:

Date

Received/Costing

Initial

Location

Purchase Order Receipt Listing

Thursday, January 24, 2013 1:14:41 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18828 Receipt Dates from 1/24/2013 to 1/24/2013 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO18828	2		M7075T6B4.000X4.5 f 00		1/25/2013 48.1600	1/24/2013	48.1600	\$98.50	0.0000	0	\$4,743.67
CAD	No		7075-T6 BAR 4.000' f X 4.500"		48.1600 DESJ02			\$4,743.67	0.0000	0	
			124383								
	3		M7075T6B1.750X04. f 500		1/25/2013 48.1600	1/24/2013	48.1600	\$45.70	0.0000	0	\$2,200.77
No			7075-T6 BAR 1.750" f X 4.500"		48.1600 DESJ02			\$2,200.77	0.0000	0	
			124383								
	4		M7075T6B1.500X8.5 f 00		1/25/2013 48.1600	1/24/2013	48.1600	\$74.05	0.0000	0	\$3,566.09
No			7075-T6 BAR 1.500' f X 8.500"		48.1600 DESJ02			\$3,566.09	0.0000	0	
			124383								
	5		M7075T6B3.000X7.5 f 00		1/25/2013 24.0800	1/24/2013	24.0800	\$132.73	0.0000	0	\$3,196.22
No			7075-T6 BAR 3.000' f X 7.500"		24.0800 DESJ02			\$3,196.22	0.0000	0	
			124383								

Total Received Quantity: 168.5600
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$13,706.75
 Total Balance Due Quantity: 0.0000

31

B I L L O F L A D I N G

No: PEC 804391
9:08 From PFW

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 23Jan13 at
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

733

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-527188- 1 Your PO # 18828
Part # QQ-A- 250/12
ALUMINUM PLATE 7075-T651
3.00" THICK X 7.5000" X 144.5000"
Heat Number 302011 Tag No 143504

Rel #

MTR

Quantity PCS Wt LBS
15.05 SFT 2 ✓ 670

TOTAL: Tags 1 PCS 2 LBS 670

Heat Number
302011

*** Chemical Analysis ***

43/1/24

ADD ON TO 527184 SUR-CHARGE ADDED /SHIP TOGETHER

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
TOTAL 1 BDL G.W. 753 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

1-BP
FGP

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

13/04/01

B I L L O F L A D I N G

No: PEC 804391
9:08 From PFW

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 23Jan13 at
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 804391
9:08 From PFW

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 23Jan13 at
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

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ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651
3.00" THICK X 7.5000" X 144.5000"
PART NO. QQ-A-250/12

PO/Rel 18828

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-804391-001

23Jan13

Pg 1/2

Signed by: _____



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC



THYSSENKRUPP CA
THYSSENKRUPP MATERIALS CA LTD
2821 LANGSTAFF ROAD
CONCORD, ONT CM CANADA
L4K 5C6



THYSSENKRUPP CA
THYSSENKRUPP MATERIALS CA LTD
2821 LANGSTAFF ROAD
CONCORD, ONT CM CANADA
L4K 5C6

PECKOVERS C85101 4075 INCLUSION SERIAL#: 20120913C85101 PAGE 1 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM						Constellium ORDER NO.	
PEC-240255						176-201113	
ALLOY	CLAD.	TEMPER	GUAGE	WIDTH	LENGTH		
7075	00	T651	3.00000	48.500	144.500		
ITEM ORDERED							
TOOLING PLT-DIST/GE SPEC PLATE, SAWED MILL							
CUSTOMER SPECIFICATION							
AMS-QQ-A-250/12							
PART NUMBER			BL NUMBER		DATE SHIPPED		
			C85100		09/14/12		
WEIGHT SHIPPED		NO. OF PIECES		GOV. CONTRACT NO.			
4,320		2					

CERTIFICATION
"Constellium Rolled Products, hereby certifies that metal
shipped under this order has been inspected and found in
conformance with the requirements of the applicable
specifications as indicated herein. Any warranty is limited
to that shown on Constellium Rolled Products' standard
General Terms and Conditions of Sales. Test reports are
on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC
Rt 2 South, Century Road
P.O. BOX 68
RAVENSWOOD, WV 26164 USA

Rodney J. Felty
Rodney J. Felty - Laboratory Manager

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS										
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.									
302011	LT	2	***** T651 82.2	83.1	72.5	73.0	***** 13.0	13.5											
All material contained in lot 302011 was cast and manufactured in the USA.																			

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS																			

ASTM B209-10, AMS 4045K																			
<div>13/07/25</div>																			
CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.
	SEE ACTUAL CHEMICAL COMPOSITION																		
ALUMINUM REMAINDER																			

13/07/25

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651
3.00" THICK X 7.5000" X 144.5000"
PART NO. QQ-A-250/12

PO/Rel 18828

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-804391-001

23Jan13

Pg 2/2

Signed by: _____



THYSSENKRUPP CA
THYSSENKRUPP MATERIALS CA LTD
2821 LANGSTAFF ROAD
CONCORD, ONT CM CANADA
L4K 5C6



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

THYSSENKRUPP CA
THYSSENKRUPP MATERIALS CA LTD
2821 LANGSTAFF ROAD
CONCORD, ONT CM CANADA
L4K 5C6

PECKOVERS C85101 4075 INCLUSION SERIAL#: 20120913C85101 PAGE 2 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM				Constellium ORDER NO.	
PEC-240255				176-201113	
ALLOY	CLAD.	TEMPER	GAUGE	WIDTH	LENGTH
7075	00	T651	3.00000	48.500	144.500
ITEM ORDERED					
TOOLING PLT-DIST/GE SPEC PLATE, SAWED MILL					
CUSTOMER SPECIFICATION					
AMS-QQ-A-250/12					
PART NUMBER			B/L NUMBER	DATE SHIPPED	
			C85100	09/14/12	
WEIGHT SHIPPED		NO. OF PIECES	GOVT. CONTRACT NO.		
4,320		2			

CERTIFICATION
Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination.

Constellium Rolled Products Ravenswood, LLC
Rt 2 South, Century Road
P.O. BOX 68
RAVENSWOOD, WV 26164 USA

Rodney J. Felty
Rodney J. Felty - Laboratory Manager

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS				
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.			
302011	C		ACTUAL CHEMICAL COMPOSITION										
			SI= 0.06	FE= 0.12	CU= 1.52	MN= 0.03	MG= 2.61						
			CR= 0.19	ZN= 5.59	TI= 0.04	ZR= 0.00							
			OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER										

DAV
13/01/25

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 804455
Ship Date 23Jan13 at 14:14 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC-527184- 1 Your PO # 18828
Part # QQ-A- 250/12 Rel #
ALUMINUM PLATE 7075-T651
6.00" THICK X 6.0000" X 144.5000"
THIS ITEM IS BACK ORDERED

2) Our Order PEC-527184- 2 Your PO # 18828
Part # QQ-A- 250/12 Rel #
ALUMINUM PLATE 7075-T651
4.00" THICK X 4.5000" X 144.5000"
Heat Number Tag No Quantity PCS Wt LBS
310912 143712 18.06 SFT 4 1081

3) Our Order PEC-527184- 3 Your PO # 18828
Part # QQ-A- 250/12 Rel #
ALUMINUM PLATE 7075-T651
1.750" THICK X 4.5000" X 144.5000"
Heat Number Tag No Quantity PCS Wt LBS
337721 143715 18.06 SFT 4 484

4) Our Order PEC-527184- 4 Your PO # 18828
Part # QQ-A- 250/12 Rel #
ALUMINUM PLATE 7075-T651
1.50" THICK X 8.5000" X 144.5000"
Heat Number Tag No Quantity PCS Wt LBS
642381 143716 34.12 SFT 4 785

TOTAL: Tags 3 PCS 12 LBS 2350

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: PEC 804455
14:14 From PFW

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 23Jan13 at 14:14 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 SKIDS G.W. 2424 LBS

ITEM (2) SKID
ITEMS (3&4) SKID

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



CERTIFIED TEST REPORT
Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544

COPPER & BRASS SALES
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR H02502 4075 INCLUSION SERIAL#: 20121220H02502 PAGE 1 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400161730				Constellium ORDER NO. 110-512797		CERTIFICATION	
ALLOY 7075	CLAD. 00	TEMPER T651	GAUGE 4.00000	WIDTH 60.500	LENGTH 144.500	<p>"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."</p> <p>Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p><i>Rodney J. Felty</i> Rodney J. Felty - Laboratory Manager</p>	
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL							
CUSTOMER SPECIFICATION AMS-QQ-A-250/12							
PART NUMBER ALFLR00369		B/L NUMBER H02500		DATE SHIPPED 12/26/12			
WEIGHT SHIPPED 7,270		NO. OF PIECES 2		GOVT. CONTRACT NO.			

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS										
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.									
310912	LT	2	***** T651 73.0	73.1	59.8	60.2	***** 12.5	13.0											
All material contained in lot 310912 was cast and manufactured in the USA.																			

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS																			

ASTM B209-10,AMS 4045K																			
DAS 14 13/01/25 2-89																			
CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.		
	SEE ACTUAL CHEMICAL COMPOSITION																		
ALUMINUM REMAINDER																			

P-860-155D (08/11)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263299

Part:

PO: PEC# 245117

Wgt: 1,080.683 LB

Date 01/19/2013

John R. Zambetti



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544

COPPER & BRASS SALES
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR H02502 4075 INCLUSION SERIAL#: 20121220H02502 PAGE 2 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400161730				Constellium ORDER NO. 110-512797		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA <i>Rodney J. Felty</i> Rodney J. Felty - Laboratory Manager	
ALLOY 7075	CLAD. 00	TEMPER T651	GAUGE 4.00000	WIDTH 60.500	LENGTH 144.500		
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL							
CUSTOMER SPECIFICATION AMS-QQ-A-250/12							
PART NUMBER ALFLR00369		B/L NUMBER H02500		DATE SHIPPED 12/26/12			
WEIGHT SHIPPED 7,270		NO. OF PIECES 2		GOVT. CONTRACT NO.			

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS											
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.										
310912	C		ACTUAL CHEMICAL COMPOSITION																	
			SI= 0.07	FE= 0.12	CU= 1.51	MN= 0.03	MG= 2.53													
			CR= 0.20	ZN= 5.62	TI= 0.03	ZR= 0.01														
			OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																	
CHEM COMP	ALLOY		SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS	
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.
			SEE ACTUAL CHEMICAL COMPOSITION																	
			ALUMINUM REMAINDER																	

P-860-1550 (06/11)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263299

Part:

PO: PEC# 245117

Wgt: 1,080.683 LB

Date 01/19/2013

John L. Zambetti



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544

COPPER & BRASS SALES
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR H02502 4075 INCLUSION SERIAL#: 20121220H02502 PAGE 3 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400161730				Constellium ORDER NO. 110-512797		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA <i>Rodney J. Felty</i> Rodney J. Felty - Laboratory Manager				
ALLOY 7075	CLAD. 00	TEMPER T651	GAUGE 4.00000	WIDTH 60.500	LENGTH 144.500					
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL										
CUSTOMER SPECIFICATION AMS-QQ-A-250/12										
PART NUMBER ALFLR00369			B/L NUMBER H02500		DATE SHIPPED 12/26/12					
WEIGHT SHIPPED 7,270		NO. OF PIECES 2		GOVT. CONTRACT NO.						

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS											
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.										
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.																				
CHEMISTRY BY OES: ARKSPARK																				
CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT.																				
WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399.																				
WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557.																				
Mark Paperwork: ALFLR00369																				
DUNS Number: 090570149; CAGE Code: 1YWL9																				
Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.																				
"END OF CERTIFICATION"																				
CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS		
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.	
	SEE ACTUAL CHEMICAL COMPOSITION																			
ALUMINUM REMAINDER																				

P-860-155D (06/11)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263299

Part:

PO: PEC# 245117

Wgt: 1,080.683 LB

Date 01/19/2013

John R. Zambetti



COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544



CERTIFIED TEST REPORT
Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR H22504 4075 INCLUSION SERIAL#: 20121227H22504 PAGE 1 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400161730				Constellium ORDER NO. 110-512787		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA <i>Rodney J. Felty</i> Rodney J. Felty - Laboratory Manager	
ALLOY 7075	CLAD. 00	TEMPER T651	GUAGE 1.78000	WIDTH 60.500	LENGTH 144.500		
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL							
CUSTOMER SPECIFICATION AMS-QQ-A-250/12							
PART NUMBER ALFLR00996			B/L NUMBER H22500		DATE SHIPPED 12/27/12		
WEIGHT SHIPPED 4,890		NO. OF PIECES 3		GOVT. CONTRACT NO.			

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS										
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.									
337721	LT	2	***** 78.8	T651 80.9	68.7	70.8	***** 12.0	13.5											
All material contained in lot 337721 was cast and manufactured in the USA.																			

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS																			

ASTM B209-10, AMS 4045K																			
83128																			
CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.
	SEE ACTUAL CHEMICAL COMPOSITION																		
ALUMINUM REMAINDER																			

P-860-155D (06/11)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263319

Part:

PO: PEC# 245117

Wgt: 484.000 LB

Date 01/21/2013

John L. Zambetti



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544

COPPER & BRASS SALES
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR H22504 4075 INCLUSION SERIAL#: 20121227H22504 PAGE 2 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400161730				Constellium ORDER NO. 110-512787	
ALLOY 7075	CLAD. 00	TEMPER T651	GAUGE 1.78000	WIDTH 60.500	LENGTH 144.500
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL					
CUSTOMER SPECIFICATION AMS-QQ-A-250/12					
PART NUMBER ALFLR00996		B/L NUMBER H22500		DATE SHIPPED 12/27/12	
WEIGHT SHIPPED 4,890		NO. OF PIECES 3		GOVT. CONTRACT NO.	

CERTIFICATION
"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC
Rt 2 South, Century Road
P.O. BOX 68
RAVENSWOOD, WV 26164 USA

Rodney J. Felty
Rodney J. Felty - Laboratory Manager

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS													
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.												
337721	C		ACTUAL CHEMICAL COMPOSITION																			
			SI= 0.07	FE= 0.12	CU= 1.58	MN= 0.03	MG= 2.57															
			CR= 0.19	ZN= 5.61	TI= 0.03	ZR= 0.01																
			OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																			
CHEM COMP	ALLOY		SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS			
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.		
			SEE ACTUAL CHEMICAL COMPOSITION																			
			ALUMINUM REMAINDER																			

P-860-155D (06/11)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263319

Part:

PO: PEC# 245117

Wgt: 484.000 LB

Date 01/21/2013

John L. Zambetti



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544

COPPER & BRASS SALES
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR H22504 4075 INCLUSION SERIAL#: 20121227H22504 PAGE 3 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400161730				Constellium ORDER NO. 110-512787		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA <i>Rodney J. Felty</i> Rodney J. Felty - Laboratory Manager				
ALLOY 7075	CLAD. 00	TEMPER T651	GAUGE 1.78000	WIDTH 60.500	LENGTH 144.500					
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL										
CUSTOMER SPECIFICATION AMS-QQ-A-250/12										
PART NUMBER ALFLR00996			B/L NUMBER H22500		DATE SHIPPED 12/27/12					
WEIGHT SHIPPED 4,890		NO. OF PIECES 3		GOVT. CONTRACT NO.						

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS											
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.										
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.																				
CHEMISTRY BY OES: ARKSPARK																				
CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT.																				
WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399.																				
WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557.																				
Mark Paperwork: ALFLR00996																				
DUNS Number: 090570149; CAGE Code: 1YWL9																				
Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.																				
"END OF CERTIFICATION"																				
CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS		
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.	
	SEE ACTUAL CHEMICAL COMPOSITION																			
ALUMINUM REMAINDER																				

P-860-155D (08/11)

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263319
Part: PO: PEC# 245117
Wgt: 484.000 LB Date 01/21/2013

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722
Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Rob Woodall

Terence Thom

Rob Woodall
Director of Manufacturing Davenport Works

Terence Thom
Quality Assurance Manager

Page 1 of 2

Ship To: COPPER & BRASS SALES INC
1015 SAINT JEROME ST.
MISHAWAKA 46544 IN

Item Description
1.53 IN TK (+.094 -0.00) X 60.5 IN W (+.375 -0.000) X 144.5 IN LN (+.5 -0.0) (N) A/T (R075)
1651 RECTANGULAR MILL FINISH, SAME. EXC TK TL AMS-QQ-A-250/12 IS 2007 EXC MRK, TK TL AMS4045 REV K EXC MRK, TK TL ASTM B209 REV 10 (MARKED) KRAFT PAPER INTERLEAVED MAX
GROSS SKID WGT: 5000 LB QUAN TOL +/-30 %
COR 0131000 REV 10 CUST REQ 12-10-24 *** W/E 12-10-27 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector	Clock Numbers
1	461908	642381	4210	3	PC	47348	
2	461909	642381	4212	3	PC	47348	
			8422	6			

Notes for COR: 0131000.10
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ-A-250/12F. PROD UCT PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12.

COR: 0131000.10 -Specification Limits

Temp Dir	UTS	TYS	ELAD
T651 Long Transv.	KSI	KSI	PCT
	Max		
	Min 77.0	67.0	6

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263331
Part: PO: PEC# 245117
Wgt: 785.000 LB Date 01/19/2013

John R. Gumbert

4

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722
Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Rob Woodall

Terence Thom

Rob Woodall
Director of Manufacturing Davenport Works

Terence Thom
Quality Assurance Manager

Page 2 of 2

1447854
Ship Date 0 B.L. No. Invoice No. Alcoa No. Item
2012-10-25 7456521 00000 1000422242-2 DP-22242-2
P.O. No./Govt Contract No. Customer Alcoa Item
5400156031 Ln#: 0020 C&B G041005056R07

COR: 0131000.10 -Specification Limits (cont.)

Chemical Composition SI FE CU MN MG CR ZN TI Each Total Aluminum
Max 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.15
Min 1.2 2.1 0.18 5.1
REMAIN

Alloy 7075 - Mechanical, Physical, Metallography, Quantometer Results
Lot: 642381 No-> UTS TYS ELAD PCT

Temp Dir Test KSI KSI PCT
T651 Long Transv. 4 84.4 75.9 11.7
84.4 75.2 11.2
84.6 75.9 11.2
84.6 75.7 10

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
H9043132 Actuals 0.06 0.27 1.6 0.01 2.5 0.19 5.8 0.02

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402263331
Part: PO: PEC# 245117
Wgt: 785.000 LB Date 01/19/2013

John R. Gumbert

DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO18828**

Purchase Order Date 1/15/13

PO Print Date 1/15/13

Page Number 1 of 2

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADAFAXED
613 632 1053

M/24 383

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M7075T6B6.000X6.000	7075-T6 BAR 6.000' X 6.000"	1/25/13 Yes	48.16 f	Yours ppd	\$187.2093	\$9,016.00
Special Inst:			MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE				
2	M7075T6B4.000X4.500	7075-T6 BAR 4.000' X 4.500"	1/25/13 Yes	48.16 f	Yours ppd	\$97.9983	\$4,719.60
Special Inst:			MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE				

MATERIAL CERTIFICATION
REQ'D UPON DELIVERYNo substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 1/15/13



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18828**

Purchase Order Date 1/15/13

PO Print Date 1/15/13

Page Number 2 of 2

Order From :

VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

3	M7075T6B1.750X04.500	7075-T6 BAR 1.750X4.500"	1/25/13	✓ 48.16	Yours ppd	\$45.4651	\$2,189.60
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Yes

f

Special Inst:

MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12
CUT FROM PLATE

4	M7075T6B1.500X8.500	7075-T6 BAR 1.500X8.500"	1/25/13	✓ 48.16	Yours ppd	\$73.6711	\$3,548.00
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Yes

f

Special Inst:

MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12
CUT FROM PLATE

5	M7075T6B3.000X7.500	7075-T6 BAR 3.000X7.500"	1/25/13	24.08	Yours ppd	\$132.0598	\$3,180.00
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Yes

f

Special Inst:

MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12
CUT FROM PLATE

**QUAL CERTIFICATION
UPON DELIVERY**

PO Total:

\$22,653.20

Change Nbr: 2

Change Date: 1/15/13

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required **YES** NO